# CRF Errors Edited by the STIC Systems Branch

al N	Number: _	09/930,	,020B	<del></del>	CRF Edit Da	ite: 8/24
_ I	Remijunge	FERE	Hambo acid next ine	- numbers/tex	t in cases when	
_ (	Corrected	the SEQ ID	NO. Seque	nce numbers	edited were:	
_	Inserted o NO's edi		a nucleic nur	nber at the e	nd of a nucleic	line. SEQ
/ / _ 1	Deleted: ¿	invalid b	oeginning/end	d-of-file text	s page num	bers
_ }	Inserted n	nandatory h	eadings/num	eric identifie	rs, specifically	:
- I -	Moved res	sponses to sa	ame line as h	eading/nume	ric identifier, s	pecifically:
_ (	Other:					
-				· · · · · · · · · · · · · · · · · · ·		



1600

## RAW SEQUENCE LISTING

3 <110> APPLICANT: Gish, Kurt C.

PATENT APPLICATION: US/09/930,020B

DATE: 08/24/2004 TIME: 10:35:45

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\08242004\I930020B.raw

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Mack, David H.
        Wilson, Keith E.
 7 <120> TITLE OF INVENTION: Methods of diagnosis of colorectal cancer, compositions, and
        methods of screening for colorectal cancer modulators
10 <130> FILE REFERENCE: 05882.0168.CPUS01
12 <140> CURRENT APPLICATION NUMBER: US 09/930,020B
13 <141> CURRENT FILING DATE: 2001-08-14
15 <150> PRIOR APPLICATION NUMBER: US 09/663,733
16 <151> PRIOR FILING DATE: 2000-09-15
18 <160> NUMBER OF SEQ ID NOS: 3
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1560

DATE: 08/24/2004 TIME: 10:35:45 PATENT APPLICATION: US/09/930,020B

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\08242004\I930020B.raw

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162 Ala Val Asp Ile Met Phe Leu Leu Asp Gly Ser Asn Ser Val Gly Lys
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166 Gly Ser Phe Glu Arg Ser Lys His Phe Ala Ile Thr Val Cys Asp Gly
167 65
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174 Ser Thr Pro His Leu Glu Phe Pro Leu Asp Ser Phe Ser Thr Gln Gln
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PATENT APPLICATION: US/09/930,020B

DATE: 08/24/2004 TIME: 10:35:45

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\08242004\1930020B.raw

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182	Glu	Thr	Glu	Leu	Ala	Leu		Tyr	Leu	Leu	His		Gly	Leu	Pro	Gly
183		130					135					140				
186	Gly	Arg	Asn	Ala	Ser	Val	Pro	Gln	Ile	Leu	Ile	Ile	Val	Thr	Asp	Gly
187	145					150					155					160
190	Lys	Ser	Gln	Gly	Asp	Val	Ala	Leu	Pro	Ser	Lys	Gln	Leu	Lys	Glu	Arg
191					165					170					175	
194	Gly	Val	Thr	Val	Phe	Ala	Val	Gly	Val	Arg	Phe	Pro	Arg	Trp	Glu	Glu
195				180					185					190		
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202	Glu	Gln	Val	Glu	Asp	Ala	Thr	Asn	Gly	Leu	Phe	Ser	Thr	Leu	Ser	Ser
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215	лια	110	Cyb	260	mg	Ory	JCI	mg	265	1111	neu	1114	vai	270	1114	1114
	His	Care	Pro		Tur	Ser	Trn	Larg		Va]	Dhe	T.611	Thr		Pro	Δla
219	1112	СуБ	275	FIIC	1 y 1	DCI	тър	280	Arg	vai	THE	пси	285	111.5	110	niu
	Thr	Crra		7.20	Thr	Thr	Cara		C1.	Dro	Cva	7 an		Cln	Dro	Cvc
	1111	290	тут	Arg	1111	1111	295	FIO	Gry	FIO	Cys	300	DCI	GIII	FIO	СуБ
223	<i>α</i> 1 ~		<i>α</i> 1	<b>al</b>	mb sc	Crra		Dro	C1.,	C122	T 011		<b>C1</b>	Ф	C1 n	Cira
	Gln	ASII	GTÀ	GIY	1111		vai	PIO	Gru	GIY		Asp	GTÅ	ı yı	GIII	
	305	<b>a</b>	D	T	7.7	310	a1	~1	a1	ח ד ת	315	0	7.7.0	T 0	T	320
	Leu	Cys	Pro	ьeu		Pne	GIY	GIY	GIU		ASII	Cys	Ата	ьеи	_	ьeu
231		<b>.</b>	<b>~</b> 3	<b>G</b>	325	TT - 7		<b>.</b>	<b>T</b>	330	<b>T</b>	<b>T</b>	7	0	335	7.7 -
	Ser	Leu	GIU		Arg	vai	Asp	ьeu		Pne	Leu	ьeu	Asp		ser	Ala
235	~7	en1		340		<b>~1</b>	D1	<b>*</b>	345	n 1 -	<b>+</b>	77 - 7	DI	350	<b>T</b>	7
	Gly	Thr		ьeu	Asp	GIY	Pne		Arg	Ala	ьys	vaı		Val	ьуѕ	Arg
239	_,		355		7	_	_	360	•	<b>a</b>			365	** - 7	<b>~</b> 3	**- 1
	Phe		Arg	Ala	vai	Leu		GIU	Asp	Ser	Arg		Arg	vai	GIY	vaı
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PATENT APPLICATION: US/09/930,020B TIME

DATE: 08/24/2004 TIME: 10:35:45

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\08242004\1930020B.raw

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	Ата	ьеи 530	Asp	Leu	vaı	Phe	мет 535	ьeu	Asp	Tnr	ser	540	ser	vaı	GLY	Pro	
283	Glu		Dho	בומ	Gln	Met		Ser	Dha	T/2 ]	Δra		Ctre	Δla	T.e.11	Gln	
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	GLy	GIŢ	Arg	Gly		Glu	Asp	Ala	Ala		Pro	Ala	GIn	Lys		Arg	
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315	~7	~ 7	_	660	_	_		~ 7	665	_	_	^		670		** 7	
	GIu	GIY		Arg	Arg	Leu	Ala	_	Pro	Arg	Asp	ser		тте	His	Val	
319	7. T	7.7	675	77 -	70	T	70	680	77.5 m	~1	7	77.7	685	<b>77</b> -	<b>~1</b>		
	Ala		Tyr	АТа	Asp	Leu		Tyr	HIS	GIN	Asp	700	ьeu	ше	GIU	Trp	
323	T 011	690	~1··	<i>α</i> 1	7.7.	T	695	Deco	37- 7	7.00	T 011		Trra	Dro	Cox	Dro	
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PATENT APPLICATION: US/09/930,020B

DATE: 08/24/2004 TIME: 10:35:45

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\08242004\1930020B.raw

W--> 367 Trp Ser Xaa Trp Ser

368 1

5

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/930,020B

DATE: 08/24/2004 TIME: 10:35:46

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\08242004\1930020B.raw

## Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3; Xaa Pos. 3

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/930,020B

DATE: 08/24/2004 TIME: 10:35:46

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\08242004\1930020B.raw

L:367 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0



1600

#### RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/930,020B

DATE: 08/23/2004 TIME: 15:58:57

Input Set : A:\PTO.FG.txt

Output Set: N:\CRF4\08232004\I930020B.raw

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         Mack, David H.
         Wilson, Keith E.
 7 <120> TITLE OF INVENTION: Methods of diagnosis of colorectal cancer, compositions, and
         methods of screening for colorectal cancer modulators
10 <130> FILE REFERENCE: 05882.0168.CPUS01
12 <140> CURRENT APPLICATION NUMBER: US 09/930,020B
13 <141> CURRENT FILING DATE: 2001-08-14
15 <150> PRIOR APPLICATION NUMBER: US 09/663,733
16 <151> PRIOR FILING DATE: 2000-09-15
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20 <170> SOFTWARE: PatentIn version 3.2
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23 <211> LENGTH: 3375
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                                                                        1140
66 gcacactgtc ccttctacag ctggaagaga gtgttcctaa cccaccctgc cacctgctac
                                                                        1200
68 aggaccacct gcccaggccc ctgtgactcg cagccctgcc agaatggagg cacatgtgtt
                                                                        1260
70 ccagaaggac tggacggcta ccagtgcctc tgcccgctgg cctttggagg ggaggctaac
                                                                        1320
72 tgtgccctga agctgagcct ggaatgcagg gtcgacctcc tcttcctgct ggacagctct
                                                                        1380
74 gcgggcacca ctctggacgg cttcctgcgg gccaaagtct tcgtgaagcg gtttgtgcgg
                                                                        1440
76 gccgtgctga gcgaggactc tcgggcccga gtgggtgtgg ccacatacag cagggagctg
                                                                        1500
```

78 ctggtggcgg tgcctgtggg ggagtaccag gatgtgcctg acctggtctg gagcctcgat

1560

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Input Set : A:\PTO.FG.txt

Output Set: N:\CRF4\08232004\I930020B.raw

80	ggcattccct	tccgtggtgg	ccccac	cctg	acg	ggca	gtg	cctt	gcgg	ca g	gcgg	cagag	1620	0
82	cgtggcttcg	ggagcgccac	caggac	aggc	cag	gacc	ggc	cacg	taga	gt g	ıgtgg	ttttg	1680	0
84	ctcactgagt	cacactccga	ggatga	.ggtt	gcg	ggcc	cag	cgcg	tcac	gc a	aggg	cgcga	1740	0
		tgctgggtgt											1800	0
		agcatgtgat											1860	0
90	gagctgcagg	ggaagctgtg	cagccg	gcag	cgg	ccag	ggt	gccg	gaca	ca a	gccc	tggac	1920	0
92	ctcgtcttca	tgttggacac	ctctgc	ctca	gta	gggc	ccg	agaa	tttt	gc t	caga	tgcag	1980	0
94	agctttgtga	gaagctgtgc	cctcca	gttt	gag	gtga	acc	ctga	cgtg	ac a	cagg	tegge	2040	0
96	ctggtggtgt	atggcagcca	ggtgca	gact	gcc	ttcg	ggc	tgga	cacc	aa a	ccca	cccgg	2100	)
98	gctgcgatgc	tgcgggccat	tagcca	ggcc	CCC	tacc	tag	gtgg	ggtg	gg c	tcag	ccggc	2160	)
100	accgccctg	c tgcacatct	a tgaca	aagt	g at	gacc	gtcc	aga	gggg	tgc	ccgg	cctggt	222	20
		g ctgtggtgg											228	30
		c tgaggaaca											234	<b>1</b> 0
		c tgcggaggc											240	0 C
		ggtaccacc											246	50
		c tctgcaaac											252	20
		gctgcaagt											258	30
114	tggagctctt	gctctgtat	g tgtga	gccag	g gg	atgg	attc	ttg	agac	gcc	catg	aggcac	264	<b>1</b> 0
		g tgcaggagg											270	00
		a tggtgccta											276	50
		ggccaggac											282	20
		a gagacaaga											288	30
		a agtaaatac				_					_	_	294	
		tecettgag											300	00
		g cacacaatc											306	
		tagagcatc											312	
		cacttcccc											318	
		gtttgtgac											324	
		tgaatgtga											330	
		g cccaggtct	g gaggg	ccacc	g taa	aaato	cgtt	ctg	agtc	gtg	agca	gtgtcc	336	
	accttgaagg	=											337	15
	<210> SEQ													
	<211> LENG													
	<212> TYPE			_										
		NISM: Homo	sapien	S										
	<400> SEQU		· T	<b>a</b> 1	ב ו"מ	77-7	O	77-7	Dla a	T	Dl	0		
151		o Phe Leu 1	Leu Leu	GIU	Ата	vai 10	Cys	vai	Pne	ьeu	Pne 15	ser		
	. —	o Pro Ser 1	ou Dro	T 011	~1~		170 T	TT-1 ~	7707	0		<b>71</b>		
	Arg var Fr	20 20 Sel 1	ren bio	пеп		GIU	Val	нтв	val		гуѕ	GIU		
155	The Tie Ci	<del></del>	בות אפי	ח ד ת	25	T	M	M-+	III	30	0	77-		
		y Lys Ile S	ber Ara	40	ser	цуѕ	Met	мес		cys	ser	Ala		
159			The Terr		7	a1	0	7	45	77-7	<b>01</b>	T		
163	50	p Ile Met I	fie Leu 55	пеп	нар	GIA	ser		ser	val	GTÀ	тув		
		e Glu Arg S		ui~	Dho	7.7.	т1 ~	60 Thr	77-7	C	7 ~~	C1		
167			ser Lys 70	UIR	rne	AId		TUT.	val	cys	Asp	_		
		e Ser Pro (		17 n 1	7~~	77~7	75	ת די	Dha	<u>~ ۲</u>	Dha	80		
171	nen wah II	.e ser P10 ( 85	aru Arg	val	AT G	90	GTÅ	HIG	File	GIII	Pne 95	ser		
	Can The De		ilu pho	Dro	Lou		Co~	Dha	C.~	ጥ⊳∽		Cl.		
1/4	ser IIII PI	o His Leu (	ara Pue	PLO	ьeu	Asp	ser	rne	ser.	Tur	GIN	GIII		

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Input Set : A:\PTO.FG.txt

Output Set: N:\CRF4\08232004\I930020B.raw

175				100					105					110		
178	Glu	Val	Lys	Ala	Arg	Ile	Lys	Arg	Met	Val	Phe	Lys	Gly	Gly	Arg	Thr
179			115				_	120				_	125	_	·	
182	Glu	Thr	Glu	Leu	Ala	Leu	Lys	Tyr	Leu	Leu	His	Arg	Gly	Leu	Pro	Gly
183		130					135					140				
186	Gly	Arg	Asn	Ala	Ser	Val	Pro	Gln	Ile	Leu	Ile	Ile	Val	Thr	Asp	Gly
187	145					150					155				_	160
190	Lys	Ser	Gln	Gly	Asp	Val	Ala	Leu	Pro	Ser	Lys	Gln	Leu	Lys	Glu	Arq
191					165					170	_			•	175	
194	Gly	Val	Thr	Val	Phe	Ala	Val	Gly	Val	Arg	Phe	Pro	Arg	Trp	Glu	Glu
195				180					185				_	190		
198	Leu	His	Ala	Leu	Ala	Ser	Glu	Pro	Arg	Gly	Gln	His	Val	Leu	Leu	Ala
199			195					200	_	_			205			
202	Glu	Gln	Val	Glu	Asp	Ala	Thr	Asn	Gly	Leu	Phe	Ser	Thr	Leu	Ser	Ser
203		210					215		_			220				
206	Ser	Ala	Ile	Cys	Ser	Ser	Ala	Thr	Pro	Asp	Cys	Arq	Val	Glu	Ala	His
	225			_		230				-	235	_				240
210	Pro	Cys	Glu	His	Arg	Thr	Leu	Glu	Met	Val	Arq	Glu	Phe	Ala	Glv	
211		_			245					250	_				255	
214	Ala	Pro	Cys	Trp	Arg	Gly	Ser	Arq	Arq	Thr	Leu	Ala	Val	Leu		Ala
215			_	260	Ū	-		_	265					270	,	
218	His	Cys	Pro	Phe	Tyr	Ser	Trp	Lys	Arq	Val	Phe	Leu	Thr		Pro	Ala
219		_	275		-		-	280	J				285			
222	Thr	Cys	Tyr	Arq	Thr	Thr	Cys	Pro	Gly	Pro	Cvs	Asp		Gln	Pro	Cvs
223		290	_	_			295		•		•	300				- 1
226	Gln	Asn	Gly	Gly	Thr	Cys	Val	Pro	Glu	Gly	Leu	Asp	Glv	Tvr	Gln	Cvs
	305		_	-		310				•	315	-	-	1		320
230	Leu	Cys	Pro	Leu	Ala	Phe	Gly	Gly	Glu	Ala	Asn	Cys	Ala	Leu	Lvs	
231					325		-	_		330		•			335	
234	Ser	Leu	Glu	Cys	Arg	Val	Asp	Leu	Leu	Phe	Leu	Leu	Asp	Ser	Ser	Ala
235				340	_		_		345				_	350		
238	Gly	Thr	Thr	Leu	Asp	Gly	Phe	Leu	Arg	Ala	Lys	Val	Phe	Val	Lys	Arq
239			355		_	_		360			-		365		•	
242	Phe	Val	Arg	Ala	Val	Leu	Ser	Glu	Asp	Ser	Arq	Ala	Arq	Val	Gly	Val
243		370					375		-		_	380	_		•	
246	Ala	Thr	Tyr	Ser	Arg	Glu	Leu	Leu	Val	Ala	Val	Pro	Val	Gly	Glu	Tyr
247					-	390					395			•		400
250	Gln	Asp	Val	Pro	Asp	Leu	Val	Trp	Ser	Leu	Asp	Gly	Ile	Pro	Phe	Arq
251					405			_		410	-	-			415	7
254	Gly	Gly	Pro	Thr	Leu	Thr	Gly	Ser	Ala	Leu	Arq	Gln	Ala	Ala	Glu	Ara
255				420			_		425		_			430		_
258	Gly	Phe	Gly	Ser	Ala	Thr	Arq	Thr	Gly	Gln	Asp	Arq	Pro	Arq	Ara	Val
259	-		435				_	440	•		-		445	J	- 3	
262	Val	Val	Leu	Leu	Thr	Glu	Ser	His	Ser	Glu	Asp	Glu	Val	Ala	Glv	Pro
263		450					455				-	460			2	
266	Ala	Arg	His	Ala	Arg	Ala		Glu	Leu	Leu	Leu		Glv	Val	Glv	Ser
267		_			_	470	~				475	-			1	480
		Ala	Val	Arq	Ala		Leu	Glu	Glu	Ile		Glv	Ser	Pro	Lvs	
271				_	485					490		<b>1</b>			495	

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Input Set : A:\PTO.FG.txt

Output Set: N:\CRF4\08232004\1930020B.raw

```
274 Val Met Val Tyr Ser Asp Pro Gln Asp Leu Phe Asn Gln Ile Pro Glu
                500
                                     505
278 Leu Gln Gly Lys Leu Cys Ser Arg Gln Arg Pro Gly Cys Arg Thr Gln
            515
                                 520
282 Ala Leu Asp Leu Val Phe Met Leu Asp Thr Ser Ala Ser Val Gly Pro
                             535
286 Glu Asn Phe Ala Gln Met Gln Ser Phe Val Arg Ser Cys Ala Leu Gln
                        550
                                             555
290 Phe Glu Val Asn Pro Asp Val Thr Gln Val Gly Leu Val Val Tyr Gly
                    565
                                         570
294 Ser Gln Val Gln Thr Ala Phe Gly Leu Asp Thr Lys Pro Thr Arg Ala
                580
                                     585
298 Ala Met Leu Arg Ala Ile Ser Gln Ala Pro Tyr Leu Gly Gly Val Gly
            595
                                 600
302 Ser Ala Gly Thr Ala Leu Leu His Ile Tyr Asp Lys Val Met Thr Val
                             615
                                                 620
306 Gln Arg Gly Ala Arg Pro Gly Val Pro Lys Ala Val Val Leu Thr
307 625
                        630
310 Gly Gly Arg Gly Ala Glu Asp Ala Ala Val Pro Ala Gln Lys Leu Arg
                    645
                                         650
314 Asn Asn Gly Ile Ser Val Leu Val Val Gly Val Gly Pro Val Leu Ser
                660
                                    665
318 Glu Gly Leu Arg Arg Leu Ala Gly Pro Arg Asp Ser Leu Ile His Val
            675
                                680
322 Ala Ala Tyr Ala Asp Leu Arg Tyr His Gln Asp Val Leu Ile Glu Trp
       690
                            695
326 Leu Cys Gly Glu Ala Lys Gln Pro Val Asn Leu Cys Lys Pro Ser Pro
                        710
330 Cys Met Asn Glu Gly Ser Cys Val Leu Gln Asn Gly Ser Tyr Arg Cys
                                        730
334 Lys Cys Arg Asp Gly Trp Glu Gly Pro His Cys Glu Asn Arg Glu Trp
335
                740
                                    745
338 Ser Ser Cys Ser Val Cys Val Ser Gln Gly Trp Ile Leu Glu Thr Pro
339
            755
                                760
342 Leu Arg His Met Ala Pro Val Gln Glu Gly Ser Ser Arg Thr Pro Pro
                            775
                                                780
346 Ser Asn Tyr Arg Glu Gly Leu Gly Thr Glu Met Val Pro Thr Phe Trp
347 785
                        790
                                            795
350 Asn Val Cys Ala Pro Gly Pro
                    805
354 <210> SEQ ID NO: 3
355 <211> LENGTH: 5
356 <212> TYPE: PRT
357 <213> ORGANISM: Homo sapiens
360 <220> FEATURE:
361 <221> NAME/KEY: misc_feature
362 <222> LOCATION: (3)..(3)
363 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
365 <400> SEQUENCE: 3
```

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Input Set : A:\PTO.FG.txt

Output Set: N:\CRF4\08232004\1930020B.raw

W--> 367 Trp Ser Xaa Trp Ser

368 1 5 377 DM\_US\8051138.v1 381 DM\_US\8051138.v1 RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/930,020B

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Input Set : A:\PTO.FG.txt

Output Set: N:\CRF4\08232004\1930020B.raw

#### Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3; Xaa Pos. 3

VERIFICATION SUMMARY

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Input Set : A:\PTO.FG.txt

Output Set: N:\CRF4\08232004\I930020B.raw

 $L\!:\!367$   $M\!:\!341$  W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0